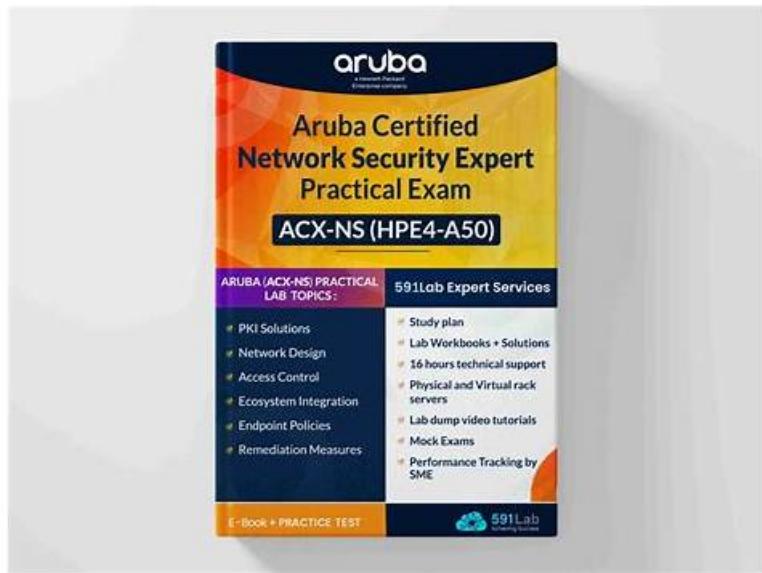


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HP HPE7-A02 exam, also known as the Aruba Certified Network Security Professional (ACNSP) Exam, is designed to test the knowledge and skills of network professionals in securing wireless and wired networks. HPE7-A02 exam covers a wide range of topics, including network security concepts, access control, authentication and encryption, firewall technologies, and intrusion prevention.

HP HPE7-A02 exam is designed for professionals who want to validate their knowledge and skills in network security. Aruba Certified Network Security Professional Exam certification exam is a part of the Aruba Certified Network Security Professional (ACNSP) certification program, which is offered by Hewlett Packard Enterprise. The ACNSP certification program aims to equip professionals with the necessary skills to design, implement, and manage secure network infrastructures.

HP HPE7-A02 (Aruba Certified Network Security Professional) exam is a certification exam designed for professionals who work with Aruba network security solutions. HPE7-A02 exam focuses on testing the candidate's knowledge and skills related to the design, implementation, and management of secure network infrastructures using Aruba products and technologies.

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HP Aruba Certified Network Security Professional Exam Sample Questions (Q52-Q57):

NEW QUESTION # 52

What role can Internet Key Exchange (IKE)/IKEv2 play in an HPE Aruba Networking client-to-site VPN?

- A. It provides a more modern and secure alternative to IPsec.
- B. It helps to negotiate the IPsec SA automatically and securely.
- C. It helps remote clients download IPsec profiles for later use.
- D. It provides an alternative to IPsec that is suitable for legacy clients.

Answer: B

Explanation:

Internet Key Exchange (IKE)/IKEv2 plays a crucial role in an HPE Aruba Networking client-to-site VPN by helping to negotiate the IPsec Security Association (SA) automatically and securely. IKE/IKEv2 handles the authentication and key exchange processes, ensuring that both the client and the VPN gateway can establish a secure IPsec tunnel.

1. SA Negotiation: IKE/IKEv2 automates the negotiation of the Security Association, which defines the parameters for the secure IPsec tunnel.

2. Secure Authentication: It provides a secure method for authenticating the communicating parties and exchanging cryptographic keys.

3. Efficiency: Using IKE/IKEv2 simplifies the setup and maintenance of secure VPN connections, enhancing the overall security and reliability of the VPN.

NEW QUESTION # 53

A company has a variety of HPE Aruba Networking solutions, including an HPE Aruba Networking infrastructure and HPE Aruba Networking ClearPass Policy Manager (CPPM). The company passes traffic from the corporate LAN destined to the data center through a third-party SRX firewall. The company would like to further protect itself from internal threats.

What is one solution that you can recommend?

- A. Configure CPPM to poll the third-party firewall for a broad array of information about internal clients, such as profile and posture.
- B. Use tunnel mode SSIDs and user-based tunneling (UBT) on AOS-CX switches to pass all internal traffic directly through the third-party firewall.
- C. Have the third-party firewall send Syslogs to CPPM, which can work with network devices to lock internal attackers out of the network.
- D. Add ClearPass Device Insight (CPDI) to the solution; integrate it with the third-party firewall to develop more complete device profiles.

Answer: C

Explanation:

To further protect the company from internal threats, you can recommend having the third-party SRX firewall send Syslogs to HPE Aruba Networking ClearPass Policy Manager (CPPM). ClearPass can analyze these logs to detect potential security incidents and coordinate with network devices to respond to threats. By integrating Syslog data from the firewall, CPPM can identify malicious activities and take actions such as locking internal attackers out of the network or triggering specific security policies. This approach enhances the company's internal threat detection and response capabilities.

NEW QUESTION # 54

A company has HPE Aruba Networking APs (AOS-10), which authenticate clients to HPE Aruba Networking ClearPass Policy Manager (CPPM). CPPM is set up to receive a variety of information about clients' profile and posture. New information can mean that CPPM should change a client's enforcement profile.

What should you set up on the APs to help the solution function correctly?

- A. In the security settings, configure dynamic denylisting.
- B. In the RADIUS server settings for CPPM, enable querying the authentication status.
- C. In the RADIUS server settings for CPPM, enable Dynamic Authorization.
- D. In the WLAN profiles, enable interim RADIUS accounting.

Answer: C

Explanation:

To ensure that HPE Aruba Networking APs (AOS-10) properly interact with HPE Aruba Networking ClearPass Policy Manager (CPPM) and dynamically update a client's enforcement profile based on new profile and posture information, you should enable Dynamic Authorization in the RADIUSserver settings for CPPM. This allows ClearPass to send Change of Authorization (CoA) requests to the APs, prompting them to reapply the appropriate enforcement profiles based on updated information.

1. Dynamic Authorization: Enabling this feature allows ClearPass to dynamically push changes to the APs whenever there is new relevant information about a client's profile or posture.
2. Change of Authorization (CoA): This mechanism ensures that clients are assigned the correct enforcement profiles in real-time, based on the latest data.
3. Enhanced Policy Enforcement: This setup helps in maintaining accurate and up-to-date policy enforcement for clients on the network.

NEW QUESTION # 55

Assume that an AOS-CX switch is already implementing DHCP snooping and ARP inspection successfully on several VLANs. What should you do to help minimize disruption time if the switch reboots?

- A. Configure the IP helper address on this switch, rather than a core routing switch.
- B. **Save the IP-to-MAC bindings to external storage.**
- C. Configure the switch to act as an ARP proxy.
- D. Create static IP-to-MAC bindings for the DHCP and DNS servers.

Answer: B

Explanation:

To minimize disruption time if an AOS-CX switch reboots while implementing DHCP snooping and ARP inspection, you should save the IP-to-MAC bindings to external storage. This ensures that the DHCP snooping and ARP inspection tables, which are crucial for preventing spoofing attacks, are preserved across reboots. When the switch restarts, it can reload these bindings from the external storage, thereby maintaining network security and reducing the downtime associated with rebuilding these tables.

1. Preserving Bindings: Saving IP-to-MAC bindings to external storage ensures that these critical security tables are not lost during a reboot, maintaining network integrity.
2. Security Continuity: This practice helps to quickly restore security features like DHCP snooping and ARP inspection, minimizing the window of vulnerability.
3. Operational Efficiency: By preserving these bindings, the switch can resume normal operations faster, reducing disruption to network services.

Reference: Aruba's AOS-CX configuration guides and best practices for DHCP snooping and ARP inspection detail the importance of saving IP-to-MAC bindings for maintaining network security across reboots.

NEW QUESTION # 56

A company has Aruba APs that are controlled by Central and that implement WIDS. When you check WIDS events, you see a "detect valid SSID misuse" event. What can you interpret from this event, and what steps should you take?

- A. **Hackers are likely trying to pose as authorized APs. You should use the detecting radio information and immediately track down the device that triggered the event.**
- B. This event might be a threat but is almost always a false positive. You should wait to see the event over several days before following up on it.
- C. Admins have likely misconfigured SSID security settings on some of the company's APs. You should have them check those settings.
- D. Clients are failing to authenticate to corporate SSIDs. You should first check for misconfigured authentication settings and then investigate a possible threat.

Answer: A

Explanation:

The "Detect Valid SSID Misuse" event in Aruba's Wireless Intrusion Detection System (WIDS) indicates that a valid SSID, associated with your network, is being broadcast from an unauthorized source. This scenario often signals a potential rogue access point attempting to deceive clients into connecting to it (e.g., for credential harvesting or man-in-the-middle attacks).

1. Explanation of Each Option

A: Clients are failing to authenticate to corporate SSIDs. You should first check for misconfigured authentication settings and then investigate a possible threat:

* Incorrect:

* This event is not related to authentication failures by legitimate clients.

* Misconfigured authentication settings would lead to events like "authentication failures" or "radius issues," not "valid SSID misuse."

B: Admins have likely misconfigured SSID security settings on some of the company's APs. You should have them check those settings:

* Incorrect:

* This event refers to an external device broadcasting your SSID, not misconfiguration on the company's authorized APs.

* WIDS differentiates between valid corporate APs and rogue APs.

C: Hackers are likely trying to pose as authorized APs. You should use the detecting radio information and immediately track down the device that triggered the event:

* Correct:

* This is the most likely cause of the "detect valid SSID misuse" event. A rogue AP broadcasting a corporate SSID could lure clients into connecting to it, exposing sensitive credentials or traffic.

* Immediate action includes:

* Using the radio information from the event logs to identify the rogue AP's location.

* Physically locating and removing the rogue device.

* Strengthening WIPS/WIDS policies to prevent further misuse.

D: This event might be a threat but is almost always a false positive. You should wait to see the event over several days before following up on it:

* Incorrect:

* While false positives are possible, "valid SSID misuse" is a critical security event that should not be ignored.

* Delaying action increases the risk of successful attacks against your network.

2. Recommended Steps to Address the Event

* Review Event Logs:

* Gather details about the rogue AP, such as SSID, MAC address, channel, and signal strength.

* Locate the Rogue Device:

* Use the detecting AP's radio information and signal strength to triangulate the rogue AP's physical location.

* Respond to the Threat:

* Remove or disable the rogue device.

* Notify the security team for further investigation.

* Prevent Future Misuse:

* Strengthen security policies, such as enabling client whitelists or enhancing WIPS protection.

References

* Aruba WIDS/WIPS Configuration and Best Practices Guide.

* Aruba Central Security Event Analysis Documentation.

* Wireless Threat Management Using Aruba Networks.

NEW QUESTION # 57

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